IN THE SPECIFICATION:

Please amend the appropriate paragraphs of specification in accordance with proposed changes as outlined hereinbelow:

Please amend page 7, first full paragraph, as follows:

According to the present invention, when the term group used as the term has hierarchy like gene ontology ~~(http://www.geneontology.org/)~~ (refer to www.geneontology.org) and a family name, drawing the network in an upper hierarchy allows to show the network concisely, to show considering the relationship between terms with a low expression frequency and statistical uncertainty, or to show the network with the node (term) connecting conditions eased.

Please amend the paragraph that bridges page 12-13, as follows:

The data storage system 4 of Fig. 1 previously accumulates function information such as interactions, genes and proteins previously extracted manually or automatically extracted using a sentence pattern from texts as the binary relations (42, 43 of Fig. 1) and the interaction information and configuration function information (44) taken from other databases. To use the co-occurrence information on terms in the texts, the terms, the text including the terms and the positions of terms in the text are accumulated as a table (41). When terms to be the object are few, co-occurrence of all term pairs may be previously calculated as a weight of the binary relation and given in the table. A flow to automatically extract such information is shown in Fig. 3. The object data includes various kinds of science-specialized magazines, and magazines registered in NCBI ~~(http://www.nlm.ncbi.nih.gov)~~ (refer to www.nlm.ncbi.nih.gov) PUBMED-abstract, PUBMED-central and the like. Object theses are desirably narrowed to only an abstract/thesis of living species to be the object using a mesh term when the PUBMED is used because information on other living species is not mixed. Connection to the data storage system may be made through the Internet.